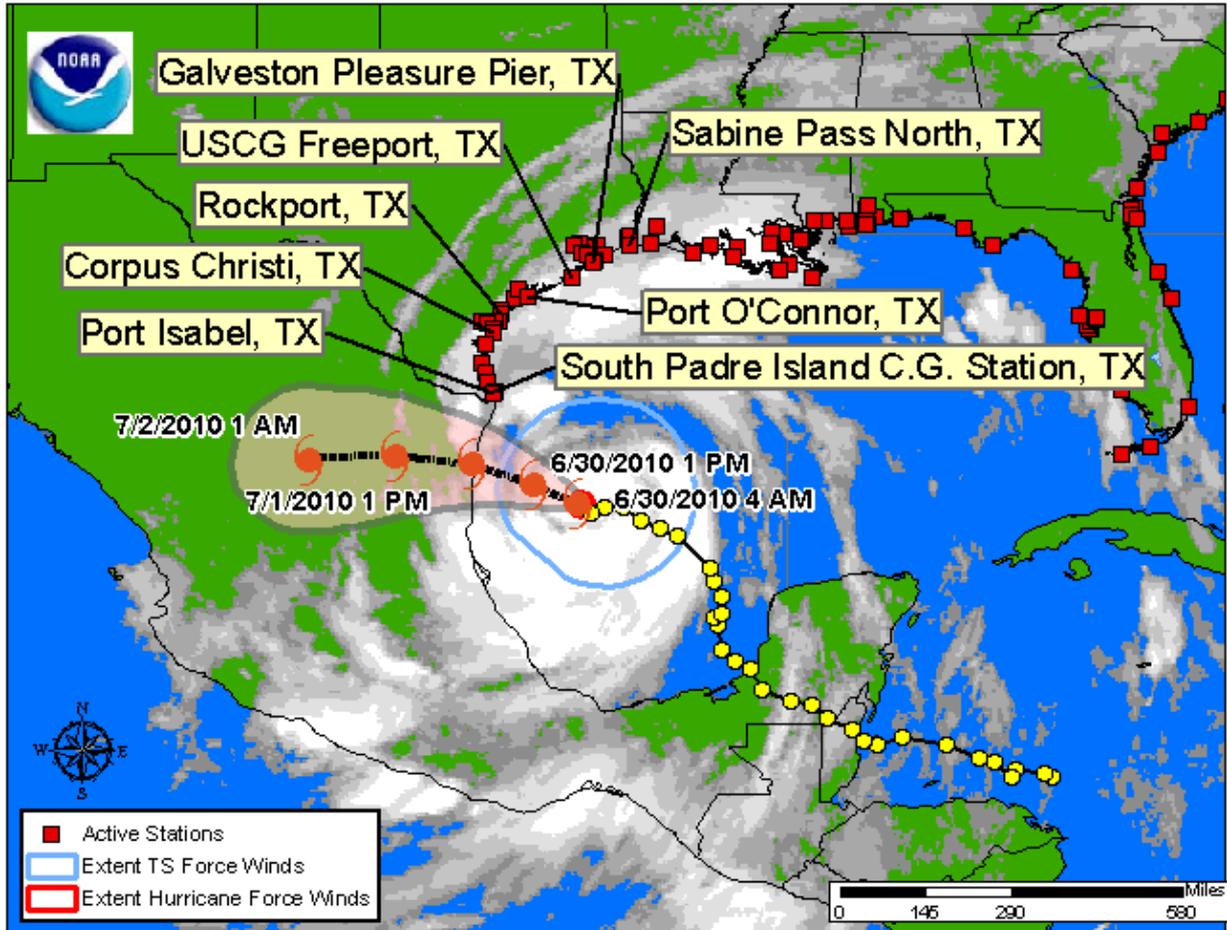




Hurricane ALEX QuickLook  
Posted: 05:00 CDT 06/30/2010

NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 06/30/2010 0500 CDT, water levels along the Texas coast are increasing and range between 0.8 and 2.4 feet above predicted. Winds are also increasing, with gusts between 20-30 kts being recorded. Barometric pressure continues to steadily drop.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.09 ft (0.33 m) at 06/30/2010 09:20 CDT and 1.00 ft (0.31 m) at 07/01/2010 09:09 CDT.

South Padre Island C.G. Station, TX: Next predicted high tides are 0.91 ft (0.28 m) at 06/30/2010 09:06 CDT and 0.84 ft (0.26 m) at 07/01/2010 08:58 CDT.

Corpus Christi, TX: Next predicted high tides are 1.32 ft (0.40 m) at 06/30/2010 07:51 CDT and 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT.

Rockport, TX: Next predicted high tides are 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT and 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT.

Port O'Connor, TX: Next predicted high tides are 0.48 ft (0.15 m) at 06/30/2010 12:33 CDT and 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT.

Freeport, TX: Next predicted high tides are 1.52 ft (0.46 m) at 06/30/2010 07:52 CDT and 1.41 ft (0.43 m) at 07/01/2010 08:10 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.85 ft (0.56 m) at 06/30/2010 07:47 CDT and 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT

Sabine Pass North, TX: Next predicted high tides are 1.46 ft (0.44 m) at 06/30/2010 08:01 CDT and 1.12 ft (0.34 m) at 06/30/2010 16:57 CDT

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:LSB

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**HURRICANE ALEX ADVISORY NUMBER 19  
400 AM CDT WED JUN 30 2010**

**SUMMARY OF 400 AM CDT INFORMATION**  
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**LOCATION...23.3N 95.1W  
ABOUT 175 MI E OF LA PESCA MEXICO  
ABOUT 235 MI SE OF BROWNSVILLE TEXAS  
MAXIMUM SUSTAINED WINDS...80 MPH**

**PRESENT MOVEMENT WNW OR 290 DEGREES AT 7 MPH**

**MINIMUM CENTRAL PRESSURE 961 MB**

**WATCHES AND WARNINGS**  
-----

**CHANGES WITH THIS ADVISORY...**

**NONE.**

**SUMMARY OF WATCHES AND WARNINGS IN EFFECT.**

**A HURRICANE WARNING IS IN EFFECT FOR...**

**\* THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO**

**GRANDE**

**A TROPICAL STORM WARNING IS IN EFFECT FOR...**

**\* THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR**

**FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS. PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE UNITED STATES. PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.**

**DISCUSSION AND 48-HOUR OUTLOOK**

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**AT 400 AM CDT THE CENTER OF HURRICANE ALEX WAS LOCATED NEAR LATITUDE 23.3 NORTH LONGITUDE 95.1 WEST. ALEX IS MOVING TOWARD THE WEST-NORTHWEST NEAR 7 MPH...11 KM/HR. A SLOW WEST TO WEST-NORTHWESTWARD MOTION IS EXPECTED OVER THE NEXT 24 TO 48 HOURS. ON THE FORECAST TRACK THE CENTER OF ALEX WILL APPROACH THE COAST OF NORTHEASTERN MEXICO OR SOUTHERN TEXAS BY LATE THIS AFTERNOON OR EARLY EVENING AND MAKE LANDFALL IN THE HURRICANE WARNING AREA LATE TONIGHT OR EARLY THURSDAY MORNING.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH WITH HIGHER GUSTS. ALEX IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. ADDITIONAL STRENGTHENING IS FORECAST AND ALEX COULD BECOME A CATEGORY TWO HURRICANE PRIOR TO LANDFALL. ALEX WILL BEGIN TO WEAKEN AFTER ITS CENTER CROSSES THE COASTLINE.**

**HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES.**

**THE MINIMUM CENTRAL PRESSURE RECENTLY MEASURED BY AN AIR FORCE RESERVE UNIT HURRICANE HUNTER AIRCRAFT WAS 961 MB.**

**HAZARDS AFFECTING LAND**

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**RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS...WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES. ESPECIALLY IN MOUNTAINOUS TERRAIN. RAINBANDS ASSOCIATED WITH ALEX ARE SPREADING ONSHORE IN NORTHEASTERN MEXICO AND SOUTHERN TEXAS.**

**TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE AND TROPICAL STORM WARNING AREAS LATER THIS MORNING. MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.**

**STORM SURGE. A DANGEROUS STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE SURGE COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS**

**THE WATER MOVES INLAND. NEAR THE COAST. THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.**

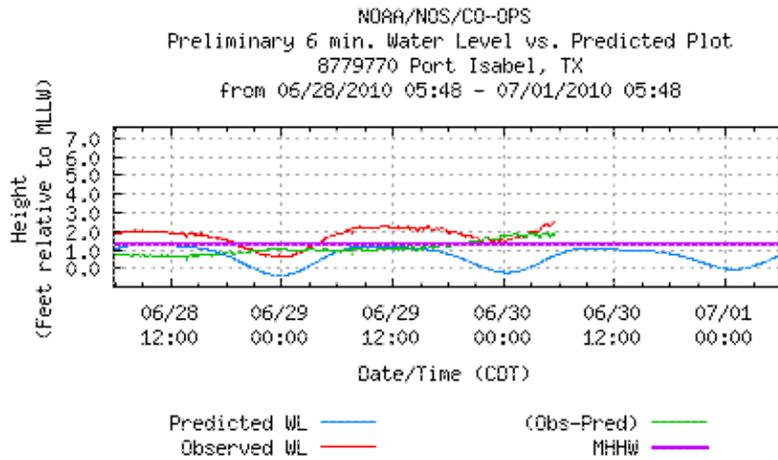
**TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF EXTREME SOUTHERN TEXAS TODAY.**

**FORECASTER STEWART**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

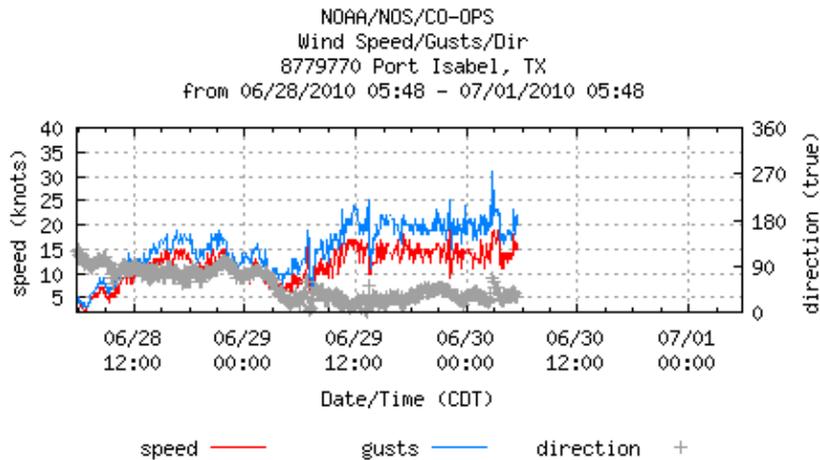
Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#), [Rockport - Air/Water Temp](#), [Port O'Connor - Water Level](#), [Galveston Pleasure Pier - Water Level](#), [Galveston Pleasure Pier - Winds](#), [Galveston Pleasure Pier - Barometric](#), [Galveston Pleasure Pier - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#).

**Port Isabel, TX** - [Return to List](#)



Last Observed Sample: 06/30/2010 05:36 (CDT)  
Relative to **MLLW**: **Observed: 2.44 ft. Predicted: 0.71 ft. Residual: 1.73 ft.**  
Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

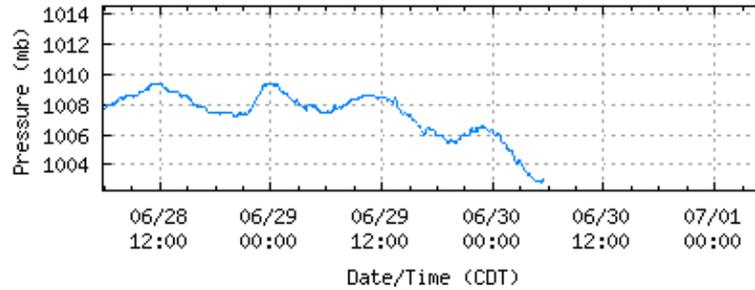
**Port Isabel, TX** - [Return to List](#)



Last Observed Sample: 06/30/2010 05:36 (CDT)  
**Wind Speed: 15 knots Gusts: 20 knots Direction: 030° T**

**Port Isabel, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
8779770 Port Isabel, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



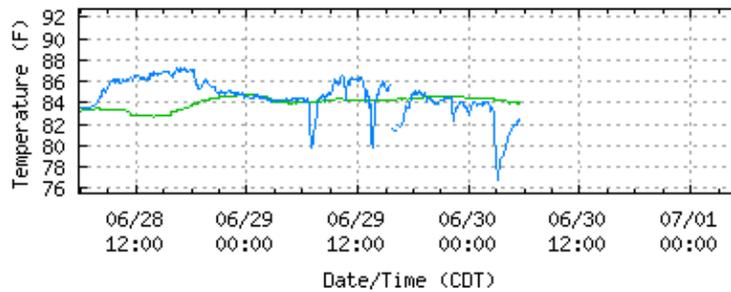
barometric pressure —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Barometric Pressure: 1002.9 mb

**Port Isabel, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Air/Water Temperature Plot  
8779770 Port Isabel, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48

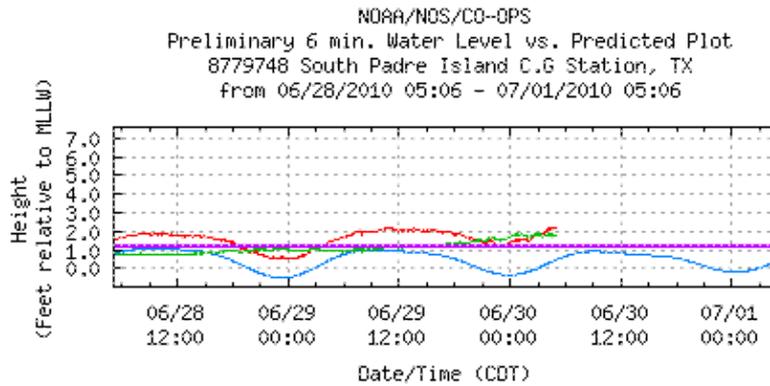


water temp. — air temp —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Water Temperature: 84.0° F Air Temperature: 82.4° F

**South Padre Island C.G Station, TX** - [Return to List](#)



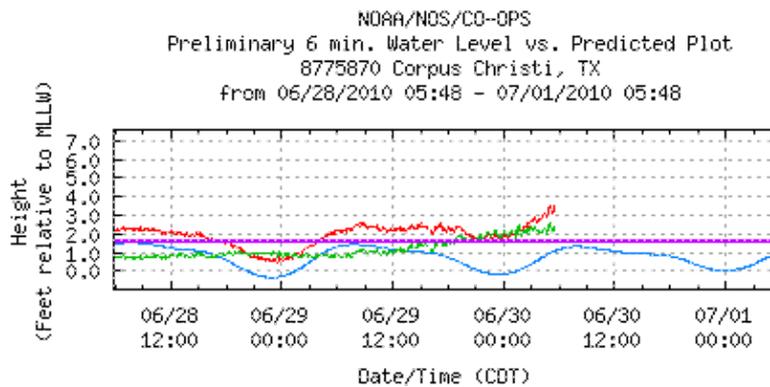
Predicted WL ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 04:54 (CDT)

Relative to **MLLW**: **Observed: 2.23 ft. Predicted: 0.45 ft. Residual: 1.78 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

**Corpus Christi, TX** - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

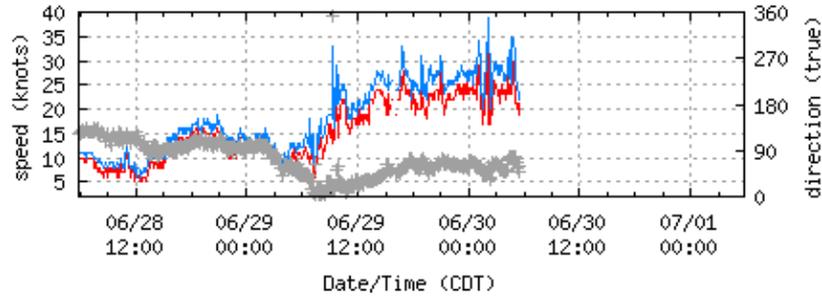
Last Observed Sample: 06/30/2010 05:36 (CDT)

Relative to **MLLW**: **Observed: 3.42 ft. Predicted: 1.10 ft. Residual: 2.32 ft.**

Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

**Corpus Christi, TX** - [Return to List](#)

NOAA/NDS/CO-OPS  
Wind Speed/Gusts/Dir  
8775870 Corpus Christi, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



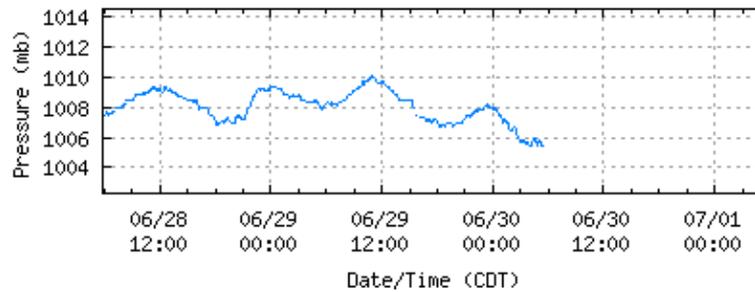
speed — gusts — direction +

Last Observed Sample: 06/30/2010 05:36 (CDT)

Wind Speed: 19 knots Gusts: 22 knots Direction: 042° T

**Corpus Christi, TX** - [Return to List](#)

NOAA/NDS/CO-OPS  
Barometric Pressure Plot  
8775870 Corpus Christi, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



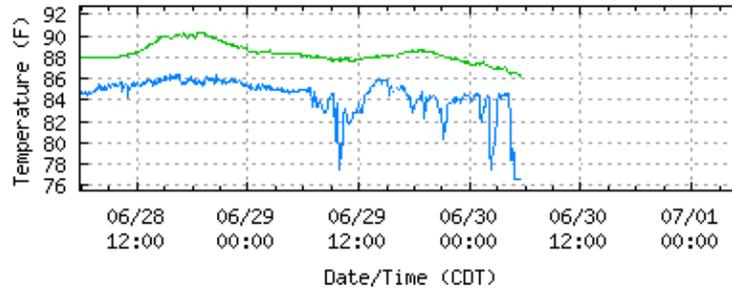
barometric pressure —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Barometric Pressure: 1005.4 mb

**Corpus Christi, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8775870 Corpus Christi, TX  
 from 06/28/2010 05:48 - 07/01/2010 05:48



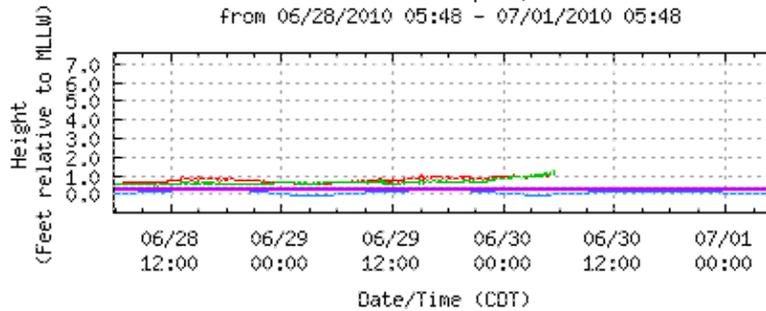
water temp. — air temp —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Water Temperature: 86.4° F Air Temperature: 78.3° F

**Rockport, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8774770 Rockport, TX  
 from 06/28/2010 05:48 - 07/01/2010 05:48



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

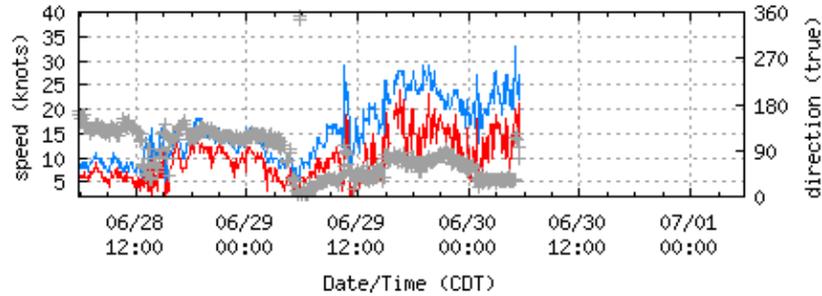
Last Observed Sample: 06/30/2010 05:36 (CDT)

Relative to **MLLW**: Observed: 1.12 ft. Predicted: -0.01 ft. Residual: 1.13 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

**Rockport, TX** - [Return to List](#)

NOAA/NDS/CO-OPS  
Wind Speed/Gusts/Dir  
8774770 Rockport, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



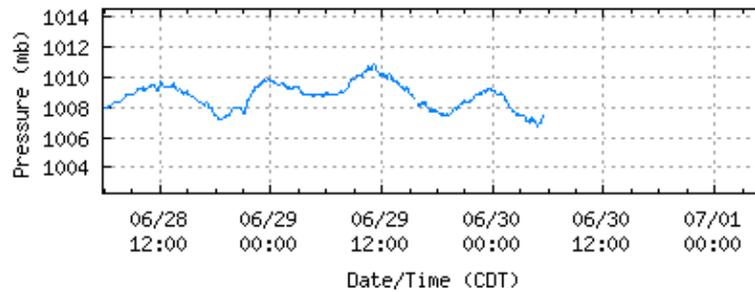
speed — gusts — direction +

**Last Observed Sample: 06/30/2010 05:36 (CDT)**

**Wind Speed: 11 knots Gusts: 24 knots Direction: 060° T**

**Rockport, TX** - [Return to List](#)

NOAA/NDS/CO-OPS  
Barometric Pressure Plot  
8774770 Rockport, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



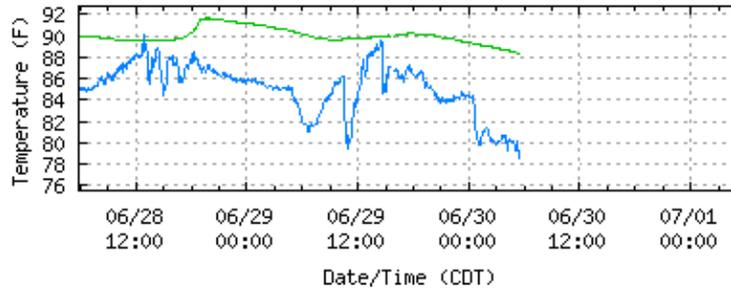
barometric pressure —

**Last Observed Sample: 06/30/2010 05:36 (CDT)**

**Barometric Pressure: 1007.2 mb**

**Rockport, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
 Air/Water Temperature Plot  
 8774770 Rockport, TX  
 from 06/28/2010 05:48 - 07/01/2010 05:48



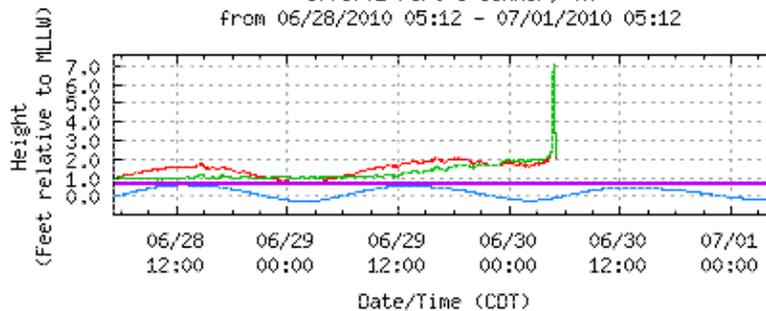
water temp. — air temp —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Water Temperature: 88.3° F Air Temperature: 79.5° F

**Port O'Connor, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
 Preliminary 6 min. Water Level vs. Predicted Plot  
 8773701 Port O'Connor, TX  
 from 06/28/2010 05:12 - 07/01/2010 05:12



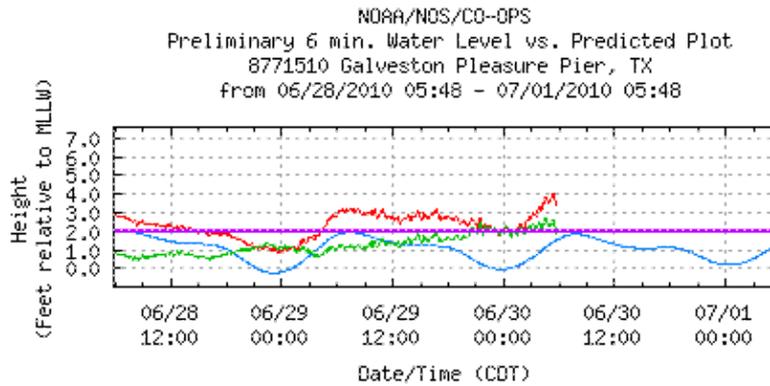
Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 05:00 (CDT)

Relative to **MLLW**: Observed: 2.06 ft. Predicted: -0.08 ft. Residual: 2.14 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

**Galveston Pleasure Pier, TX** - [Return to List](#)



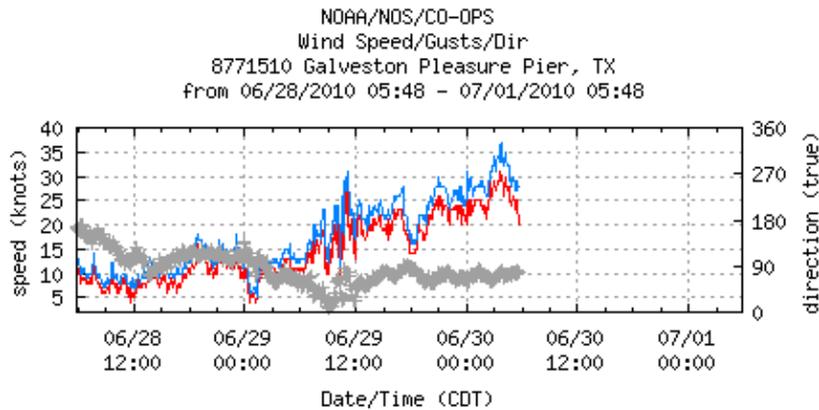
Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Relative to **MLLW**: **Observed: 3.41 ft. Predicted: 1.50 ft. Residual: 1.91 ft.**

Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

**Galveston Pleasure Pier, TX** - [Return to List](#)



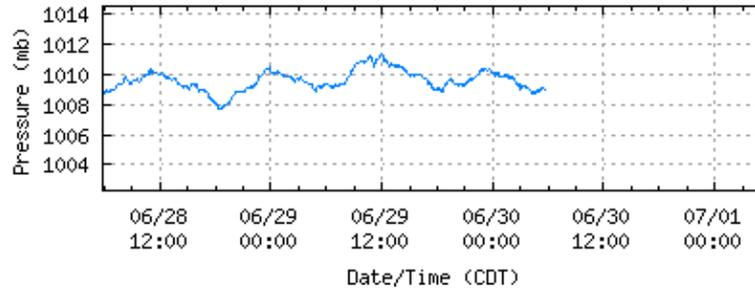
speed — gusts — direction +

Last Observed Sample: 06/30/2010 05:36 (CDT)

**Wind Speed: 20 knots Gusts: 28 knots Direction: 077° T**

**Galveston Pleasure Pier, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
8771510 Galveston Pleasure Pier, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



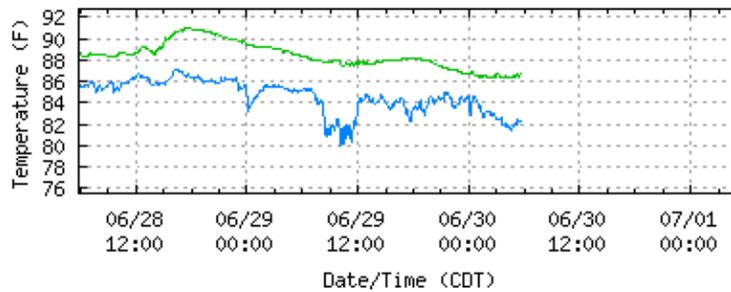
barometric pressure —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Barometric Pressure: 1009.0 mb

**Galveston Pleasure Pier, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Air/Water Temperature Plot  
8771510 Galveston Pleasure Pier, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48

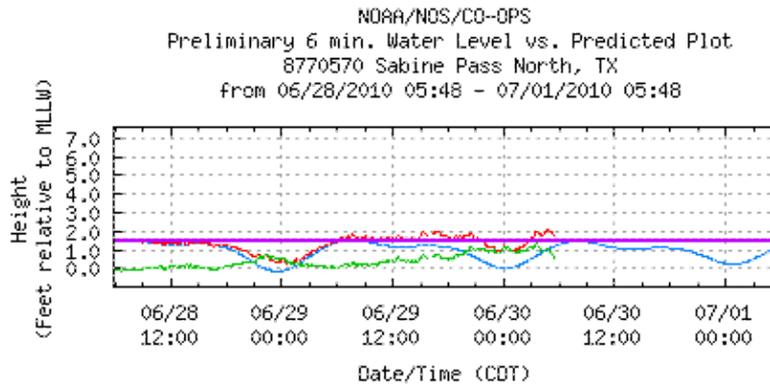


water temp. — air temp —

Last Observed Sample: 06/30/2010 05:36 (CDT)

Water Temperature: 86.7° F Air Temperature: 82.3° F

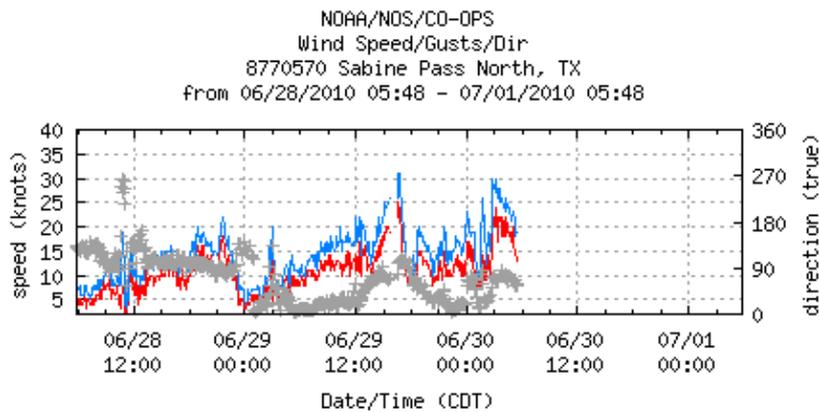
**Sabine Pass North, TX** - [Return to List](#)



Predicted WL — (Obs-Pred) —  
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 05:30 (CDT)  
 Relative to **MLLW**: **Observed: 1.77 ft. Predicted: 1.20 ft. Residual: 0.57 ft.**  
 Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above **MHHW**

**Sabine Pass North, TX** - [Return to List](#)

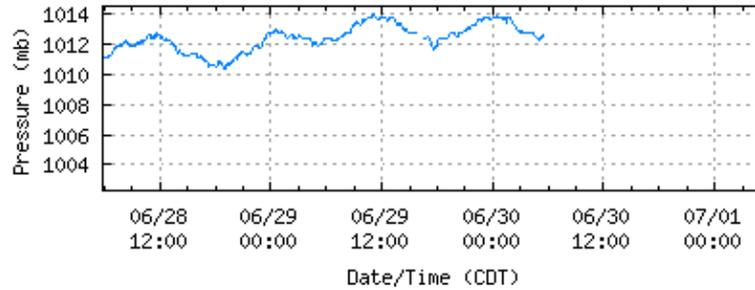


speed — gusts — direction +

Last Observed Sample: 06/30/2010 05:30 (CDT)  
**Wind Speed: 13 knots Gusts: 19 knots Direction: 054° T**

**Sabine Pass North, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Barometric Pressure Plot  
8770570 Sabine Pass North, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



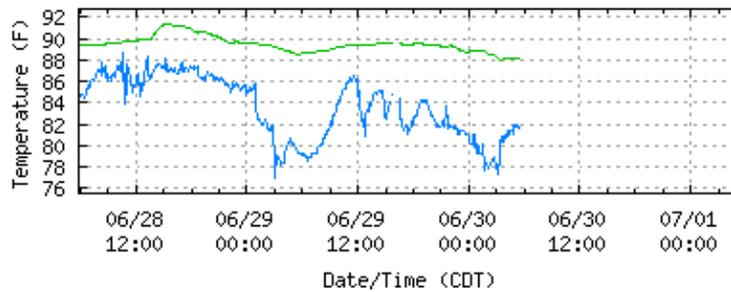
barometric pressure —

Last Observed Sample: 06/30/2010 05:30 (CDT)

Barometric Pressure: 1012.6 mb

**Sabine Pass North, TX** - [Return to List](#)

NOAA/NOS/CO-OPS  
Air/Water Temperature Plot  
8770570 Sabine Pass North, TX  
from 06/28/2010 05:48 - 07/01/2010 05:48



water temp. — air temp. —

Last Observed Sample: 06/30/2010 05:30 (CDT)

Water Temperature: 88.2° F Air Temperature: 81.5° F

## Hurricane ALEX QuickLook, POSTED 05:00 CDT 06/30/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce